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24

INHIBITION OF VASCULAR OCCLUSION
FOLLOWING VASCULAR INTERVENTION

Abstract of the ^{Disclosure}~~Invention~~

Sub C2

Compositions and methods are described for treating hyperplasia of vascular smooth muscle cells and restenosis of blood vessels or accelerated arteriopathy following vascular injury or disease. Endothelial cells are cultured in a biocompatible polymeric matrix which is then implanted or wrapped around the exterior of a blood vessel. The engrafted matrix-associated endothelial cells inhibit progression or promote regression of intimal hyperplasia or smooth muscle cell proliferation in the vicinity of the blood vessel's inner surface and decreases the incidence of restenosis often associated with vascular hyperplasia.